

# 204TFD "THEESD0T"

X: 50.0000 MSec., 387 PimLocs, Ranges: DAC (86, 5012), Volts (0.0131, 0.7648), Amps (0.6561, 38.2397)

101

FE

Y: 50.0000 MSec., 369 PimLocs, Ranges: DAC (-4774, 80), Volts (-0.7285, 0.0122), Amps (-36.4238, 0.6104)

102

FE

Z: 50.0000 MSec., 401 PimLocs, Ranges: DAC (-5542, 6585), Volts (-0.8457, 1.0048), Amps (-42.2834, 50.2411)

103

SS

SH1: 50.0000 MSec., 200 PimLocs, Ranges: DAC (-380, 1842), Volts (-0.9282, 4.4993), Amps (0.0000, 0.0000)

105

2F

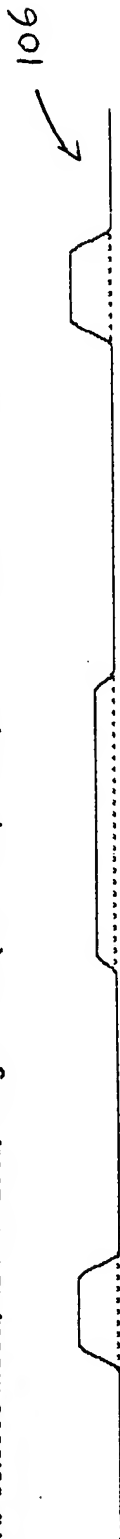
180

90

FIG 1a. STANDARD SPIN ECHO SEQUENCE (PRIOR ART)

# 204T10" the 500T

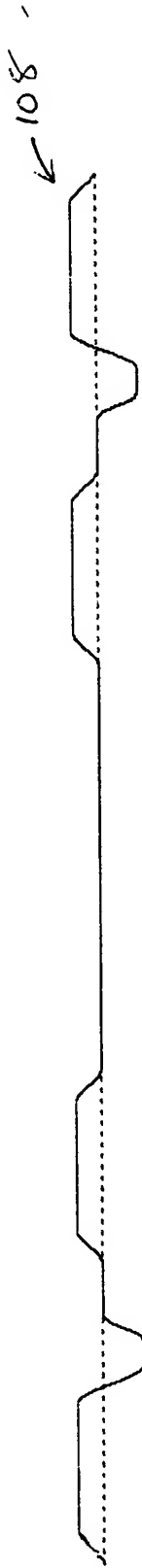
X: 56.0000 MSec., 424 PimLocs, Ranges: DAC (86, 11824), Volts (0.0131, 1.8043), Amps (0.6561, 90.2127)



Y: 56.0000 MSec., 1 PimLocs, Ranges: DAC (80, 80), Volts (0.0122, 0.0122), Amps (0.6104, 0.6104)



Z: 56.0000 MSec., 869 PimLocs, Ranges: DAC (-11192, 7855), Volts (-1.7078, 1.1986), Amps (-85.3908, 59.9307)



Sh1: 56.0000 MSec., 1165 PimLocs, Ranges: DAC (-380, 1842), Volts (-0.9282, 4.4993), Amps (0.0000, 0.0000)

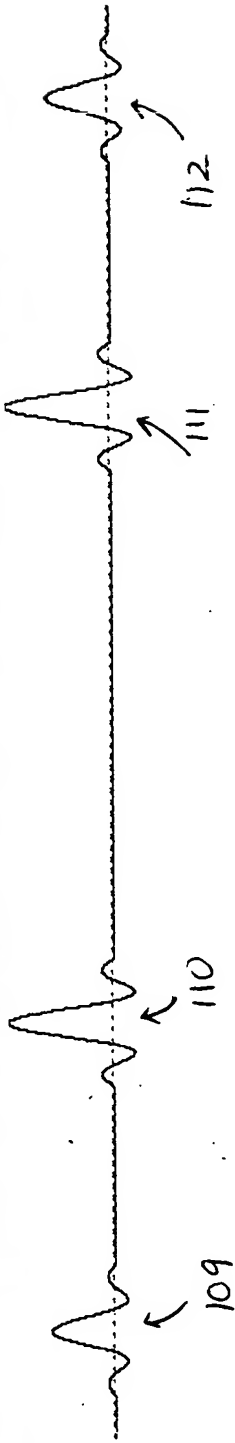


FIG 1b. STANDARD SPIN ECHO DRIVEN EQUILIBRIUM. (PRIOR ART)

# 204T0" HRES001

X: 315.0080 MSec., 3123 PimLocs, Ranges: DAC [86, 9293], Volts [0.0131, 1.4180], Amps [0.6561, 70.9021]

201



Y: 315.0080 MSec., 5514 PimLocs, Ranges: DAC [-6658, 6818], Volts [-1.0160, 1.0404], Amps [-50.7981, 52.0188]

202



Z: 315.0080 MSec., 2471 PimLocs, Ranges: DAC [-8589, 6585], Volts [-1.3106, 1.0048], Amps [-65.5309, 50.2411]

203



Sh1: 315.0080 MSec., 4559 PimLocs, Ranges: DAC [-355, 1719], Volts [-0.8671, 4.1988], Amps [0.0000, 0.0000]

204 205

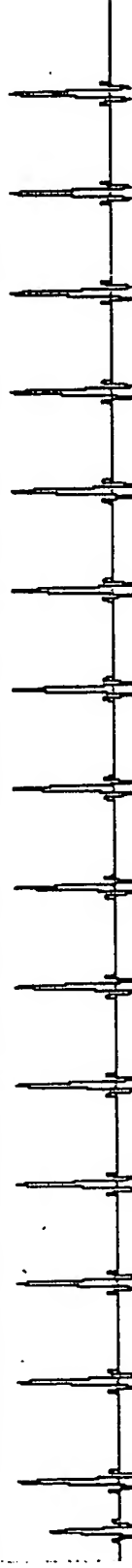
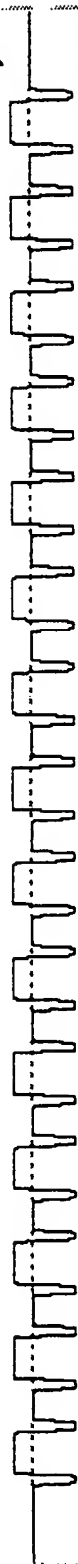


FIG 2 FAST SPIN ECHO SEQUENCE

# 202 TO "THESE"

X: 392.0000 MSec., 3758 PimLocs, Ranges: DAC [-12796, 5955], Volts [-1.9526, 0.9087], Amps [-97.6287, 45.4344]



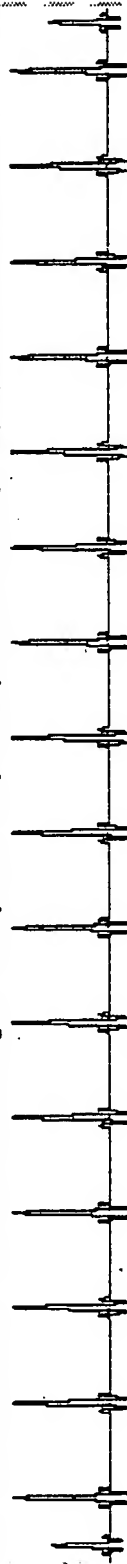
Y: 392.0000 MSec., 5590 PimLocs, Ranges: DAC [-5542, 5702], Volts [-0.8457, 0.8701], Amps [-42.2834, 43.5041]



Z: 392.0000 MSec., 3473 PimLocs, Ranges: DAC [-11192, 7855], Volts [-1.7078, 1.1986], Amps [-85.3908, 59.9307]



Sht: 392.0000 MSec., 5253 PimLocs, Ranges: DAC [-380, 1842], Volts [-0.9282, 4.4993], Amps [0.0000, 0.0000]



305 306

FIG 3. FAST SPIN ECHO COMBINED WITH DRIVEN EQUILIBRIUM.